REMARKS

Favorable reconsideration of this application is respectfully requested.

Claims 3 and 4 are pending in this application. Claims 3 and 4 were rejected under 35 U.S.C. § 102(e) as anticipated by U.S. patent 6,587,457 B1 to <u>Mikkonen</u>. That rejection is traversed by the present response as discussed next.

Independent Claim 3 is amended by the present response to clarify features recited therein. Specifically, independent Claim 3 now clarifies the multiple connection handles are specified "in a host controller interface", and "such that each logical channel is corresponded to a respective connection handle". Independent Claim 3 also further clarifies "each of the plurality of buffers corresponding to a respective connection handle". Those claim features are believed to be clear from the original specification for example in Figure 5.

With reference to Figure 5 in the present specification as a non-limiting example, in the claimed method for a communication packet from an upper layer 53, in an interface HCI between the upper layer 53 and a physical layer 52, one of multiple connection handles A-N are specified to identify a respective service class requested by the communication packet and corresponding to respective logical channels CID=1, CID=2, etc. With that operation in the claimed invention, multiple connection handles are specified in accordance with different service requests. A connection handle may be an identifier to identify a connection service. In the example shown in Figure 5 two logical channels CID=1 and CID=2 are set in the upper layer 53 and connection handles A and B corresponding thereto are specified.

Moreover, in the claims a buffer is specified corresponding to each of the connection handles A, B.

With the claimed structure the logical channels can be mapped to the connection handles so that channels requesting a same service quality can be mapped to the same

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connection handle. Further, different buffers can be allocated to the different connection handles.

The features recited in the claims as currently written are believed to distinguish over the applied art to Mikkonen.

Applicants respectfully submit Mikkonen does not disclose or suggest the features directed to the "connection handles" being specified "in a host controller interface", and each connection handle corresponding to a logical channel and corresponding to one of a plurality of buffers.

One grounds for the rejection indicates that in Mikkonen a "flow label" can identify an application layer of a packet to be transmitted over a corresponding physical layer connection, which the Office Action notes meets the claim limitations of "specifying, for a packet exchanged from an upper layer to the physical layer, one of multiple connection handles identifying a respective requested service class corresponding to logical channels".[1]

In reply to that grounds for rejection applicants note Mikkonen discloses a header block of a packet can include a flow label 24 bit label for identifying the connection in the application layer.[2] However, as clarified in the claims, a specifying of a multiple connection handle is performed "in a host controller interface". Such a feature is believed to clearly distinguish over the noted "flow label" in Mikkonen. That "flow label" in Mikkonen is part of a header block, and does not provide any specifying of a connection handle "in a host controller interface".

Claim 3 further clarifies that "each logical channel is corresponded to a respective connection handle", and "each of the plurality of buffers corresponding to a respective connection handle".

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[1] Office Action of July 20, 2007, middle paragraph of page 3.
[2] Mikkonen specifically at col. 1, lines 58-59.

Again with reference to Figure 5 in the present specification as a non-limiting example, each connection handle A-M corresponds to a logical channel, and also is corresponded to a specific buffer 54a-54n. The "flow label" noted in <u>Mikkonen</u> provides no such correspondence to either a logical channel or a buffer.

Moreover, the outstanding grounds for rejection relies on the disclosure in <u>Mikkonen</u> at column 12, line 58 to column 13, line 10 to meet the claim limitation of "distributing said base band communication packet to one of a plurality of buffers corresponding to said specified service class depending upon said determining".[3] In reply to that grounds for rejection, applicants again note that claim limitation is clarified to indicate the connection handle also corresponds to one of the buffers.

The cited disclosure in <u>Mikkonen</u> at column 12, line 58 to column 13, line 10 merely indicates that within an access point 4 separate queues can be formed for different applications. That disclosure in <u>Mikkonen</u> does not indicate such queues being formed corresponding to a "connection handle" that is specified in a host controller interface.

Moreover, the disclosure in <u>Mikkonen</u> at column 12, line 58 to column 13, line 10 indicates that for different Internet applications a separate queue can be formed. That disclosure in <u>Mikkonen</u> does not indicate that the queues correspond to a "specified service class" that is determined "based on [a] payload header". Thereby, that noted disclosure in <u>Mikkonen</u> further differs from the claims as written.

In view of the present response applicants respectfully submit independent claim 3 as currently written recites features that clearly distinguish over <u>Mikkonen</u>, and thereby the outstanding rejection of claims 3 and 4 under 35 U.S.C. § 102(e) as anticipated by <u>Mikkonen</u> is traversed by the present response.

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[3] Office Action of July 20, 2007, the paragraph bridging pages 3 and 4.

As no other issues are pending in this application, it is respectfully submitted that the

present application is now in condition for allowance, and it is hereby respectfully requested

that this case be passed to issue.

Respectfully submitted,

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